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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/783,715	02/14/2001	Julian Orbanes	GPH-003E	2198
26161	7590	08/12/2004	EXAMINER	
FISH & RICHARDSON PC 225 FRANKLIN ST BOSTON, MA 02110			TRAN, MYLINH T	
			ART UNIT	PAPER NUMBER
			2179	

DATE MAILED: 08/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 09/783,715	<b>Applicant(s)</b> ORBANES ET AL. 	
	<b>Examiner</b> Mylinh T Tran	<b>Art Unit</b> 2174	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 10 May 2004.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☐ Some    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

Applicants acknowledges the Double Patenting and shall file a disclaimer should patentable subject matter be identified.

#### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 6-9, 12-13, 15 and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Strasnick et al.[US. 5,671,381].

As to claims 1 and 15, Strasnick et al. discloses employing a first plurality of data objects contained within a first data source (column 6, lines 35-52); employing a first spatial paradigm for defining a first plurality of hierarchical relationships between said first plurality of data objects (figure 1, column 5, lines 41-58 and column 6, lines 17-35); defining said virtual space to include a first dimension, a second dimension, and a third dimension (the cells 120 contain data objects 110, a lot of cells are contained in one dimension, the first layer of cells which are located on the top (nodes) of the hierarchical tree are contained in the first dimension, the next layer of cells are contained in the second dimension and so on... see figure 1, column 4, lines 10-30) said first dimension corresponding to a plurality of planes (each cell 120 of figure

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is one plane which contains a lot of data block 110 on it) within said virtual space at which one of said data objects can be located and said second and said third dimensions corresponding to a position of said one of said data objects within a plane, said planes being located along said first dimension according to said hierarchical relationship (each of the data objects (data blocks) are located on different position, figure 1); virtually locating said first plurality of data objects in a first portion of said virtual space with value for said first dimension of each of said data objects corresponding to its respective hierarchical relationship (column 6, lines 10-25).

As to claims 6 and 20, Strasnick et al. provides enabling a user to view from an adjustable viewing perspective an appearance of a subset of said first plurality of data objects (column 4, lines 42-65).

As to claim 7, Strasnick et al. also provides hierarchical relationship being based on abstraction level (column 4, lines 34-65).

As to claim 8, Strasnick et al. demonstrates employing a second plurality of data objects contained within a second data source (figure 2B, (280, 285), employing a second spatial paradigm for defining a second plurality of hierarchical relationships between said second plurality of data objects and virtually locating said second plurality of data objects in a second portion of said virtual space (column 5, line 40 through column 6, line 35).

As to claim 9, Strasnick et al. also demonstrates defining a hierarchical relationship in said virtual space between said first plurality of hierarchical

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relationships and said second plurality of hierarchical relationships (column 2, lines 15-60).

As to claim 12 and 13, Strasnick et al. provides leasing portions and selling portions of said virtual space (column 7, line 10 through column 8, line 45).

***Claim Rejections - 35 USC § 103***

Applicant's Amendment filed 05/10/04 has been entered and carefully considered. Claims 1 and 15 have been amended. However, limitations of amended claims have not been found to be patentable over the prior art of record, therefore, claims 1-20 are rejected under the same ground of rejection as forth in the Office Action mailed 11/07/03.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2-5, 10-11, 14 and 16-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Strasnick et al. [US. 5,671,381] in view of Astiz et al. [US. 6,035,330].

As to claims 2, 14 and 16, the difference between the claim and Strasnick et al. is the first address being associated with a universal resource location (URL) and the associating a first address with the first portion of the display. Astiz et al. shows the features (see abstract and column 5, lines 1-43). It

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would have been obvious to one of ordinary skill in the art, having the teachings of Strasnick et al. and Astiz et al. before them at the time the invention was made to modify the data objects of the virtual space as taught by Strasnick to include the associating the URL address with the data objects of Astiz et al., in order to view large amounts of information in an efficient manner as taught by Astiz et al.

As to claims 3 and 17, while Astiz et al. discloses the first address which is associated with a universal resource location (URL), Strasnick et al. teaches displaying a subset of said first plurality of said data objects to said user (column 5, lines 41-58).

As to claims 4 and 18, Astiz et al. teaches associating a first portion of said first address with a server, and associating a second portion of said first address with said first plurality of hierarchical relationships (column 2, lines 17-43 and column 5, lines 1-45).

As to claims 5 and 19, Astiz et al. shows the server being a virtual server, a physical server, an Internet server, an intranet server and a remote server (column 2, lines 17-45 and column 5, lines 18-40).

As to claim 10, Astiz et al. also shows associating a second address with said second position of said virtual space (column 5, lines 1-57).

As to claim 11, Strasnick et al. discloses enabling a user to display from an adjustable viewing perspective an appearance of a subset of any of said first and said second plurality of data objects (column 4, lines 34-65).

### **Response to Arguments**

Applicant has argued that Strasnick does not locate data objects on different planes. However, Strasnick discloses a lot of cells 120 which represent different planes. Each cell is the plane which contain a lot of data objects on it (see figure 1, column 4, lines 10-40).

Applicant has also argued that Strasnick does not teach or suggest defining said virtual space to include a first dimension, a second dimension, and a third dimension, said first dimension corresponding to a plurality of planes within said virtual space at which one of said data objects can be located and said second and said third dimensions corresponding to a position of said one of said data objects within a plane, said planes being located along said first dimension according to said hierarchical relationship. However,

Applicant's attention is directed to the lines: defining said virtual space to include a first dimension, a second dimension, and a third dimension (the cells 120 contain data objects 110, a lot of cells are contained in one dimension, the first layer of cells which are located on the top (nodes) of the hierarchical tree are contained in the first dimension, the next layer of cells are contained in the second dimension and so on... see figure 1, column 4, lines 10-30) said first dimension corresponding to a plurality of planes (each cell 120 of figure is one plane which contains a lot of data block 110 on it) within said virtual space at which one of said data objects can be located and said second and said third dimensions corresponding to a position of said

one of said data objects within a plane, said planes being located along said first dimension according to said hierarchical relationship (each of the data objects (data blocks) are located on different position, figure 1);  
Finally, Applicant argues Astiz does not disclose an Internet navigational mapping system. However, Applicant's attention is directed to column 8, lines 35-55.

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

### ***Conclusion***

Responses to this action should be mailed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231. If applicant desires fax a response,



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(703) 746-7238), may be used for formal After Final communications, (703) 746-7239 for Official communications, or (703) 746-4395 for Non-Official or draft communications. NOTE, A Request for Continuation (Rule 60 or 62) cannot be faxed.

Please label "PROPOSED" or "DRAFT" for information facsimile communications. For after final responses, please label "AFTER FINAL" or "EXPEDITED PROCEDURE" on the document.

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Fourth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mylinh Tran whose telephone number is (703) 308-1304. The examiner can normally be reached on Monday-Thursday from 8.00AM to 6.30PM

If attempt to reach the examiner by telephone are unsuccessful, the examiner 's supervisor, Heather Herndon, can be reached on (703) 308-5186,

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set

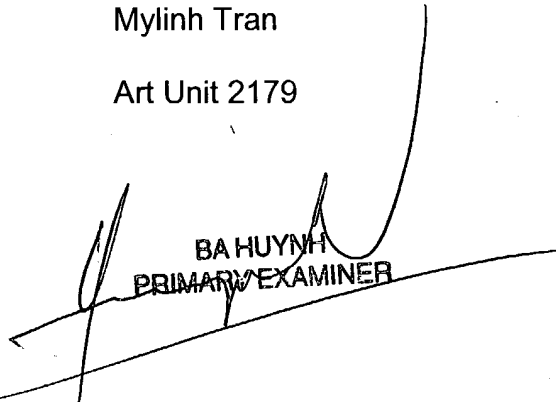
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forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3800.

Mylinh Tran

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BA HUYNH  
PRIMARY EXAMINER